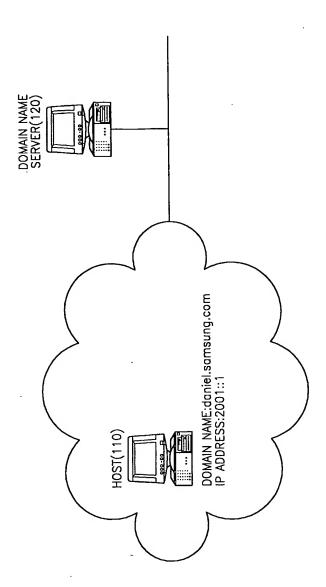Q78363
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FIG. 1 (PRIOR ART)

DOMAIN NAME SERVER(120)

HOST(110)

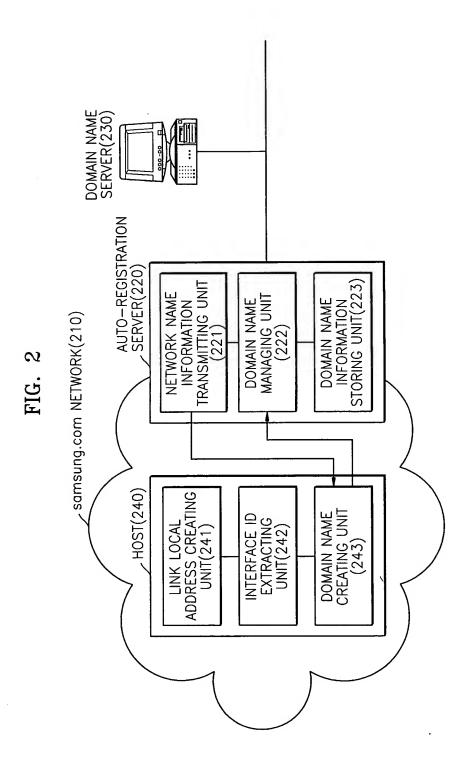DOMAIN NAME:daniel.samsung.com
IP ADDRESS:2001::1

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FIG. 2

DOMAIN NAME SERVER(230)

samsung.com NETWORK(210)

AUTO-REGISTRATION SERVER(220)

NETWORK NAME INFORMATION TRANSMITTING UNIT (221)

DOMAIN NAME MANAGING UNIT (222)

DOMAIN NAME INFORMATION STORING UNIT(223)

HOST(240)

LINK LOCAL ADDRESS CREATING UNIT(241)

INTERFACE ID EXTRACTING UNIT(242)

DOMAIN NAME CREATING UNIT (243)

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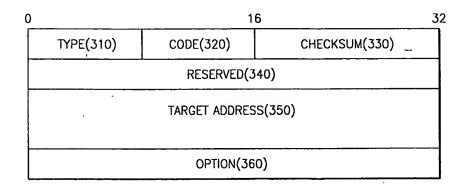REGISTERING DOMAIN NAME
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FIG. 3

0	16	32
TYPE(310)	CODE(320)	CHECKSUM(330)
RESERVED(340)		
TARGET ADDRESS(350)		
OPTION(360)		

FIG. 4

0				16	32
TYPE(401)		CODE(402)			CHECKSUM(403)
CUR HOP LIMIT(404)	M (405)	0 (406)	RESERVED (407)	ROUTER LIFETIME(408)	
REACHABLE TIME(409)					
RETRANS TIMER(410)					
OPTION(411)					

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FIG. 5

0			16	32

TYPE(501)	CODE(502)	CHECKSUM(503)
R (504) | S (505) | 0 (506)	RESERVED(507)	
TARGET ADDRESS(508)		
OPTION(509)		

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FIG. 6